

# Kindergarten Math Pacing Guide

## A Year at a Glance 2015 – 2016

Math Investigations Unit		Time Frame	CC Math Standards
Quarter 1	<p>*Begin the year by establishing classroom routines and procedures and establishing your mathematical community.</p> <p><b>Unit 1 – Who Is in School Today?</b>  <i>Classroom Routines and Materials (18 Lessons, 22 Days)</i>  <b>Investigation 1:</b> The Attendance and Calendar Routines – 6 Lessons  <b>Investigation 2:</b> The Counting Jar – 5 Lessons  <b>Investigation 3:</b> The Today's Question Routine – 7 Lessons</p>	August 24 – September 23	K.CC.1 K.CC.3 K.CC.4a, K.CC.4b, K.CC.4c K.CC.5 K.MD.3 K.G.1, K.G.2
	<p><b>Unit 5 – Make a Shape, Build a Block</b>  <i>2-D Geometry (6 Lessons, 10 Days)</i>  <b>Investigation 1:</b> Describing and Making 2-D Shapes – 6 Lessons            *Introduce 2-D shapes using Investigation 1 of Unit 5. This unit is divided into 3 parts and taught throughout the year.  <i>Formative Assessment Tasks: G Task 1a or 1b, G Task 2a or 2b, G Task 3a or 3b (Restrict tasks to 2D shapes)</i></p>	September 24 – October 7	K.G.1, K.G.2, K.G.3, K.G.4, K.G.5  K.CC.1, K.CC.2 K.CC.4a, K.CC.4b, K.CC.4c, K.MD.3
	<p><b>Unit 2 – Counting and Comparing</b>  <i>Measurement and the Number System (24 Lessons, 28 Days)</i>  <b>Investigation 1:</b> Counting – 10 Lessons  <i>Formative Assessment Tasks: CC Task 5c (Numbers 0, 3, 5)</i>  <b>Investigation 2:</b> Comparing – 14 Lessons  <i>Formative Assessment Tasks: CC Task 5c (Numbers 6, 8, 10)</i></p>	October 8 – November 18	K.CC.1, K.CC.3, K.CC.4a, K.CC.4b, K.CC.4c, K.CC.5, K.CC.6, K.CC.7, K.MD.1, K.MD.2
	<p><b>Unit 3 – What Comes Next?</b>  <i>Patterns and Functions (15 Lessons, 9 Days)</i>  <b>Investigation 1:</b> What Do You Notice? – 5 Lessons  <b>Investigation 2:</b> Constructing Patterns – 10 Lessons  <b>Investigation 3:</b> What's the Unit? – Omit &amp; Replace with Subitizing Number Activities  <i>Formative Assessment Tasks: CC Task 2a, CC Task 3a, MD Task 2</i>            *Patterning is not a critical area in Kindergarten. Some sessions in this unit may be omitted or combined.</p>	November 19 – December 4	K.CC.1, K.CC.2, K.CC.3, K.CC.4a, K.CC.4b, K.CC.4c K.CC.5  K.MD.3 K.G.1, K.G.2
Quarter 2	<p><b>Unit 5 – Make a Shape, Build a Block</b>  <i>2-D Geometry (6 Lessons, 10 Days)</i>  <b>Investigation 2:</b> Making and Combining 2-D Shapes            *Continue work with 2-D shapes using Investigation 2 of Unit 5.            *Additional lessons and supplemental resources should be incorporated to reinforce geometry concepts.  <i>Formative Assessment Tasks: G Task 1a or 1b, G Task 2a or 2b, G Task 3a or 3b (Restrict to 2D shapes and include positional words), G Task 5 (Build/Draw 2D shapes), G Task 6</i></p>	December 7 – December 18	K.G.1 K.G.3, K.G.4, K.G.5, K.G.6  K.CC.1 K.CC.4a, K.CC.4b, K.CC.4c K.CC.5, K.CC.6 K.MD.3

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Quarter 3	<b>Unit 4 – Measuring and Counting</b> <i>Measurement and the Number System 2 (32 Lessons, 36 Days)</i> <b>Investigation 1:</b> Measuring and Counting – 8 Lessons (3 additional lessons -- Session 1.6A: Weight: Heavier or Lighter?, Session 1.6B: Measuring and Comparing Weights, and Session 1.6C: More Measuring and Comparing Weights) <i>Formative Assessment Tasks: M Task 1a, M Task 1b</i> <b>Investigation 2:</b> Counting Some, Counting More – 5 Lessons <i>Formative Assessment Tasks: CC Task 3b</i> <b>Investigation 3:</b> Changing Quantities: How Many Now? – 7 Lessons <i>Formative Assessment Tasks: CC Task 4, KCC Task 6a</i> <b>Investigation 4:</b> Ways to Make Numbers – 9 Lessons <i>Formative Assessment Tasks: OA Task 1a or 1b, OA Task 1d or 1e, OA Task 3a or 3d, OA Task 5a or 5h, OA Task 5hh, OA Task 6c or 6e</i>	January 4 – February 26	K.OA.1, K.OA.2, K.OA.3, K.OA.4 K.MD.1, K.MD.2, K.MD.3  K.CC.1 K.CC.3 K.CC.4a, K.CC.4b, K.CC.4c K.CC.5, K.CC.6, K.CC.7 K.G.1
	<b>Unit 5 – Make a Shape, Build a Block</b> <i>3-D Geometry (8 Lessons, 13 Days)</i> <b>Investigation 3:</b> Describing, Making, and Combining 3-D Shapes – 8 Lessons *Introduce 3-D shapes and wrap up the Geometry unit using Investigation 3 of Unit 5. Review 2-D and 3-D shapes. <i>Formative Assessment Tasks: G Task 1a or 1b, G Task 2a or 2b, G Task 3a or 3b (Include 3D shapes), G Task 5 (Build 3D shapes), G Task 4</i>	February 29 – March 16	K.G.1, K.G.2, K.G.3, K.G.4, K.G.5, K.G.6 K.CC.1 K.CC.4a, K.CC.4b, K.CC.4c K.CC.5 K.MD.3
	<b>Unit 6 – How Many Do You Have?</b> <i>Addition, Subtraction, &amp; the Number System (32 Lessons, 41 Days)</i> <b>Investigation 1:</b> Number of Tiles – 8 Lessons (1 additional lesson -- Session 1.3A: Counting on the Number Line) <b>Investigation 2:</b> Counting and Measuring – 6 Lessons <b>Investigation 3:</b> How Many in All? – 7 Lessons <b>Investigation 4:</b> How Many of Each? – 6 Lessons <b>Investigation 5A:</b> Teen Numbers – 5 Lessons (5 additional lessons -- Sessions 5A.1 – 5A.5) <i>Formative Assessment Tasks: OA Task 1c, OA Task 2a, 2b, 2c, or 2d, OA Task 4a, 4b, 4c, or 4d, OA Task 6a or 6b, OA Task 7a or 7b, OA Task 8a, 8b, or 8c, NBT Task 1a, NBT Task 1b</i>	March 17 – May 20	K.OA.1, K.OA.2, K.OA.3, K.OA.4 K.OA.5 K.NBT.1 K.CC.1, K.CC.2, K.CC.3, K.CC.4a, K.CC.4b, K.CC.4c K.CC.5, K.CC.6, K.CC.7 K.MD.1 K.MD.3
Quarter 4	<b>Unit 7 – Sorting and Surveys</b> <i>Data Analysis (13 Lessons, 11 Days)</i> <b>Investigation 1:</b> How Many Noses? How Many Eyes? – 7 Lessons (1 additional lesson -- Session 1.7A: Counting Fingers) <b>Investigation 2:</b> How Are They the Same? How Are They Different? – 6 Lessons <b>Investigation 3:</b> Data Projects – Omit <i>Formative Assessment Tasks: CC Task 5c, CC Task 2b, CC Task 5a, CC Task 5b, KCC Task 6b, KCC Task 7</i>	May 23 – June 7	K.MD.3  K.CC.1, K.CC.2 K.CC.4a, K.CC.4b, K.CC.4c K.CC.5, K.CC.6